

Claims

- [1] A water purifier comprising:
a sediment filter removing rust and floating matters in the water;
a pre carbon filter removing chlorine and impurities in the water;
a ceramic material tube consisting of plurality of layer, improving the water molecule, maximizing movement of the water molecule and making weak alkali water by radiating far infrared ray;
a silver carbon filter removing odor and bacteria in the water and activating the water; and
a ceramic filter removing various harmful matters in the water;
and wherein the ceramic material tube comprises;
a first magnet tube which is made of permanent magnets whose N pole or S pole are arranged at upper or lower portion, and the water flows between the permanent magnets;
bio ceramic balls made of serpentinite hornblende;
tourmalin ceramic balls made by firing tourmalin at high temperature;
alumina ceramic balls;
natural black jades;
sericite ceramic balls having wavelength range which are similar to that of human body and made by firing rough sericite at high temperature;
bio macsumsuk ceramic balls 37 made of rough macsumsuk;
antibiosis ceramic ball, and
a second magnet tube 39 which is made of permanent magnets M1 whose N pole or S pole are arranged at upper or lower portion.
- [2] The water purifier of Claim 1, wherein the permanent magnets have magnetism of 2000 Gauss.
- [3] The water purifier of Claim 1, wherein the bio ceramic balls are made of serpentinite hornblende, and their diameter is 4 ~ 6 ϕ , and they radiate far infrared ray of 5.6~2.0 microns.
- [4] The water purifier of Claim 1, wherein the tourmalin ceramic balls are made by firing the tourmalin at 1,000°C ~ 1,200°C, their diameter is 2.5~3.5 ϕ , and they generate electricity of 0.06ma by applying heat, pressure and friction.
- [5] The water purifier of Claim 1, wherein the diameter of the alumina ceramic balls is 2.5~3.5 ϕ .
- [6] The water purifier of Claim 1, wherein diameter of the natural black jades is 6~8 ϕ .
- [7] The water purifier of Claim 1, wherein the sericite ceramic balls are made of

rough sericite and their diameter is 2.5 ~ 3.5mm.

- [8] The water purifier of Claim 1, wherein the bio macsumsuk ceramic balls are made of rough macsumsuk and their diameter is 2.5 ~ 3.5mm.
- [9] The water purifier of Claim 1, wherein diameter of the antibiosis ceramic balls is 4~6 μ .
- [10] The water purifier of Claim 1, wherein the composition ratio of each layer of the ceramic material tube with volume percentage, comprises 5% of the first magnet tube, 10% of the bio ceramic balls, 20% of the tourmalin ceramic balls, 10% of the alumina ceramic balls, 15% of the natural black jades, 10% of the sericite ceramic balls, 15% of the bio macsumsuk ceramic balls, 10% of the antibiosis ceramic balls, 5% of and the second magnet tube.
- [11] The water purifier of Claim 1, wherein the non-woven fabrics filter treated to have antibiosis is positioned between each layer of the ceramic material tube.